

INDUSTRIAL AUTOMATION PRODUCT

51303979-550

Advanced I/O Link Interface Board

Honeywell 51303979-550 is an Advanced I/O Link Interface board for a TDC 3000 Advanced Process Manager. It connects the controller hardware to its configured I/O link.

| IDENTITY      | VERIFIED VALUE                    |
|---------------|-----------------------------------|
| Manufacturer  | Honeywell                         |
| System family | TDC 3000 Advanced Process Manager |
| Part number   | 51303979-550                      |
| Country       | USA                               |
| HS code       | 8537101190                        |

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51303979-550

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Technical Specifications

Technical values below are limited to the named Honeywell product record.

| PARAMETER         | TECHNICAL VALUE             |
|-------------------|-----------------------------|
| Board function    | Advanced I/O link interface |
| Hardware revision | G                           |

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## System Role and Architecture

Honeywell 51303979-550 is an Advanced I/O Link Interface board for a TDC 3000 Advanced Process Manager. It connects the controller hardware to its configured I/O link.

**FUNCTION 1**

Provides the APM I/O link interface

**FUNCTION 2**

Transfers processor data to APM I/O

**FUNCTION 3**

Fits the designated controller cardfile position

**FUNCTION 4**

Supports the engineered I/O link path

### Matched system components

- APM controller cardfile
- APM I/O link cable
- I/O processor cardfile
- Controller database assignment

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## Applications and Engineering Context

**APM I/O link maintenance**

Provides the APM I/O link interface

**Controller cardfile restoration**

Transfers processor data to APM I/O

**Legacy TDC 3000 repair**

Fits the designated controller cardfile position

**I/O communication troubleshooting**

Supports the engineered I/O link path

**TECHNICAL NOTE**

Record both I/O link cable identities and the board position, then verify processor communication and all connected I/O groups.

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## Engineering Precautions

1

Verify the complete 51303979-550 marking and the assigned TDC 3000 Advanced Process Manager position before field work.

2

Isolate the applicable power, network and field energy before disconnecting 51303979-550.

3

Use ESD controls and protect the keyed connectors of 51303979-550 during handling.

4

Record the installed wiring, jumpers, node or channel assignment before replacement.

5

Confirm APM controller cardfile and APM I/O link cable against the approved system configuration.

6

Restore 51303979-550 under controlled conditions and review the product-specific diagnostics.

7

Complete a functional test for apm i/o link maintenance before production release.

### MANUFACTURER SOURCE RECORD

Honeywell APM hardware service record

51303979-550

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